BRUHAT BANGALORE MAHANAGARA PALIKE

MODIFIED BILL OF QUANTIES (BOQ)

Modified Estimate for Improvements to Roads and drains and construction of culverts at Saraipalya colony and other area in ward o 06, Byatrayanpura Sub division

Sl. No.	Approved Qty.	Description	Unit	M/S KRIDL	
				In Figures	In Words
1	304.90	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification etc complete as per specifications and directions of engineer in charge of the work	cum	952.94	Rupees Nine Hundred Fifty Two and Ninety Four Paise Only
2	1150.69	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	cum	137.80	Rupees One Hundred Thirty Seven and Eighty Paise Only
3	307.44	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 20kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering etc complete as per specifications and directions of engineer in charge of the work	cum	5421.90	Rupees Five Thousand Four Hundred Twenty One and Ninety Paise Only
4	45.00	KSRB 5.3-3 **Providing and constructing granite / trap / basalt size stone** masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Cum	5811.98	Rupees Five Thousand Eight Hundred Eleven and Ninety Eight Paise Only
5	25.80	KSRRB M 1200-15.2: Plain / Reinforced cement concrete M20 with OPC Cement @ 320kgs, with 20mm and down size graded granite metal coars aggreagates @0.69 cum and fine aggreagates @ 0.46 cum, with superplastiser@ 3lts confirming to IS9103 -1999 Reaffirmed -2008, in open foundation complete as per drawing and technical specifications case-II, with batching plant transist mixer and concrete etc complete as per specifications and directions of engineer in charge of the work	cum	5148.42	Rupees Five Thousand One Hundred Forty Eight and Forty Two Paise Only
6	54.00	KSRB 15.1.3: **Providing FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work	Sqm	149.46	Rupees One Hundred Forty Nine and Forty Six Paise Only
7	211.47	**Providing and laying plain/reinforced cement concrete for side drains** using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200.including cost of materials, labour, HOM etc complete as per specifications and directions of engineer in charge of the work	cum	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only
8	13.75	KSRRB M2200-6. **Providing T.M.T. steel reinforcement for R.C.C. work** including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 -do- TMT Bars Fe 500 etc complete as per specifications and directions of engineer in charge of the work	Tonne	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only
9	779.55	**Providing and fixing RCC precast cover slab of 100mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	sqm	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
10	67.50	Providing and fixing **RCC precast cover slab of 250mm** thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	sqm	5418.00	Rupees Five Thousand Four Hundred Eighteen Only

Signature of the contractor

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Executive Engineer

Sl. No.	Approved Qty.	Description	Unit	M/S KRIDL	
				In Figures	In Words
11	182.27	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS: 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing,), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing etc complete as per specifications and directions of engineer in charge of the work	cum	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only
12	1215.10	**Vaccum De- writing with vaccum pump** and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. complete as per specifications and directions of engineer in charge of the work	Sqm	72.08	Rupees Seventy Two and Eight Paise Only
13	234.90	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods etc complete as per specifications and directions of engineer in charge of the work	cum	475.94	Rupees Four Hundred Seventy Five and Ninety Four Paise Only
14	435.00	**Providing and installing at site of work 63mm** (0.662) **PVC Pipes** of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc. etc complete as per specifications and directions of engineer in charge of the work	Rmtr	202.91	Rupees Two Hundred Two and Ninety One Paise Only
15	234.90	KSRB 2.4 : **Refilling available earth around pipe lines,** cables in layers not layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour etc complete as per specifications and directions of engineer in charge of the work	cum	134.62	Rupees One Hundred Thirty Four and Sixty Two Paise Only
16	1455.60	KSRRB M100-2. Loading and Unloading of stone boulders by manual means etc complete as per specifications and directions of engineer in charge of the work	Cum	73.99	Rupees Seventy Three and Ninety Nine Paise Only

EXECUTIVE ENGINEER-4
BBMP BYRA DIVISION
BENGALURU-560 010

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92